

1 DATE 1-5-88

TO: Information Services Branch

FROM: Computer Products Support Group RT KT LB  
(Init)

RE: DOD/SW/MT-88/010 Announce in CRAFT  
(Report No.)

Priority Action is Required

Attached

- ☒ Form NTIS 231.
- ☒ Form 277
- ☒ NTIS 79
- ☒ RDP (OF 272)
- ☐ Proof Listing
- ☐ Consigned Inventory Acquisition Form (Interagency Agreement Number and Split)

AD-A188 541

PROCESS FOR:

K File  
(Data)

☐ Documentatio

☐ Mag Tape

H File  
(Software)

☒ Documentatio

☒ Mag Tape

Action

- ☐ Loan Document Form Attached
- ☒ Defense Sponsored: Acquire ADA Number
- ☐ Order Pending. Return immediately after copying necessary pages.

Remarks

Highlight!

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ELECTE  
FEB 09 1988  
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DISTRIBUTION STATEMENT A

Approved for public release  
Distribution Unlimited

88 2 09 011

Computer Products Transmitt

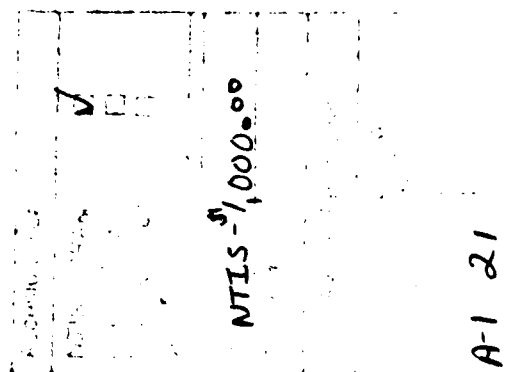


## 15. COMPUTER PRODUCT ABSTRACT

The Ada Compiler Validation Capability (ACVC) is a suite of tests designed to determine an Ada compiler's conformance to MIL-STD-1815A, the Ada Language Reference Manual (LRM). Version 1.10 was released in December 87 and will become the official ACVC version, replacing 1.9, in June 88. ACVC 1.10 will be the official version until June 89 when it will be replaced by ACVC version 1.11.

Each of the 3719 tests in the ACVC 1.10 is designed to test a single test objective specified in the Ada Implementer's Guide (AIG), a document enumerating the LRM into discrete test objectives in order to aid compiler development.

~~The ACVC 1.10 is written on 43 diskettes in MS-DOS format at nine sectors per track. Each test in the suite is named according to the compilation stages (compile, link, execute) analyzed and the section of the AIG, down to the specific test objective, covered.~~ Software Description: The model is written in the Ada programming language for implementation on a DEC VAX-11/780 computer using the VMS operating system. Memory requirement is 10 K bytes.



## 16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in ASCII character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording made by specifying density only. Call NTIS Computer Products, if you have any questions.

## 17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran \_\_\_\_\_ COBOL \_\_\_\_\_ Basic \_\_\_\_\_ Assembly \_\_\_\_\_ Other (Specify) Ada

Software requires;

CPR Mfr. DEC VAX-11/780 model(s) \_\_\_\_\_ Operating system(s) VMS

Minimum of 10 K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

## COMPUTER MAGNETIC TAPE FILE PROPERTIES

0PM004

01. Completion Date Year Month Day 8 7 1 2 2 2			02. Form Prepared By (Name and Phone) STEVEN P. WILSON (513) 255-4472			03. Reel ID Number (Property Control No.) ACVC 1.10 ANSI		
04. Recording Date Year Month Day 8 7 1 2 0 2			05. File Identifier or Descriptive Title Ada Compiler Validation Capability (ACVC) Version 1.10			06. Short Title (External Label Name) ACVC10		
07. Source Unavailable Year Month Day 			08. Documentation Yes No Available X    (Enter Citation)			09. File Position on Reel WHOLE TAPE		
10. To Be Returned Yes No To Other Than The Sender X			11. Submitting Organization & Address ASD/SCOL BLDG 676 WRIGHT-PATTERSON AFB OH 45433			12. Receiving Organization & Address U S DEPARTMENT OF COMMERCE NATIONAL TECHNICAL INFORMATION SERV 5285 PORT ROYAL ROAD SPRINGFIELD VA 22161		
13. Due Back Date Year Month Day 								

## 14. Technical Contact(s) &amp; Phone Number(s)

STEVE WILSON (513) 255-4472

## RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit DEC VAX - 11/780		17. No. of Tracks 7 9 Other		18. Parity Odd Even		19. Density (BPI) 1600
	16. Tape Subsystem SYSTEMS INDUSTRIES 1953		X		X		
RECORDING SOFTWARE	20. Operating System, Release & Version VMS		22. Internal File Identifier  NONE				
	21. Utility Program or Data Base Language COPY						
23. Characters Set (Graphics) <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> BCD <input type="checkbox"/> Other (Specify) <input type="checkbox"/> EBCDIC <input type="checkbox"/> FIELDATA <input type="checkbox"/> Non-Print Codes		24. Recorded Label (Internal Label) <input type="checkbox"/> Header <input checked="" type="checkbox"/> ANSI X 3.27 Standard <input type="checkbox"/> Other <input type="checkbox"/> Trailer <input type="checkbox"/> FIPS Standard <input type="checkbox"/> None					

## FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical 8009	27. Record Type <input type="checkbox"/> Fixed Length <input checked="" type="checkbox"/> Other Than Fixed	28. Records/Block (Blocking Factor) N/A	29. TYPE OF FILE ORGANIZ- ATION (Check One Box) <input type="checkbox"/> One File One Reel <input type="checkbox"/> One File Multiple Reels <input checked="" type="checkbox"/> Multiple Files One Reel <input type="checkbox"/> Multiple Files Multiple Reels
	26. Logical 266			
RECORD LENGTH	30. Physical <input checked="" type="checkbox"/> Bytes <input type="checkbox"/> Chars. <input type="checkbox"/> Words (    Bits/Word)			
	31. Logical <input type="checkbox"/> Bytes <input checked="" type="checkbox"/> Chars. <input type="checkbox"/> Words (    Bits/Word)			

## SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes) The ACVC may be distributed to a domestic requester provided he signs a Statement of Terms and Conditions (Atch 1). Foreign requesters from approved list (Atch 2) may also be sent the ACVC provided they first complete and sign AF Form 349 (Atch 3). A foreign requester not on approved list should be advised to submit his request for the ACVC through his country's embassy in Washington D.C.	
Yes	No

## 33. For Submitting Organization Use